

Constructors Reference No. for Application

11361



F.I.A. Recognition No.

37

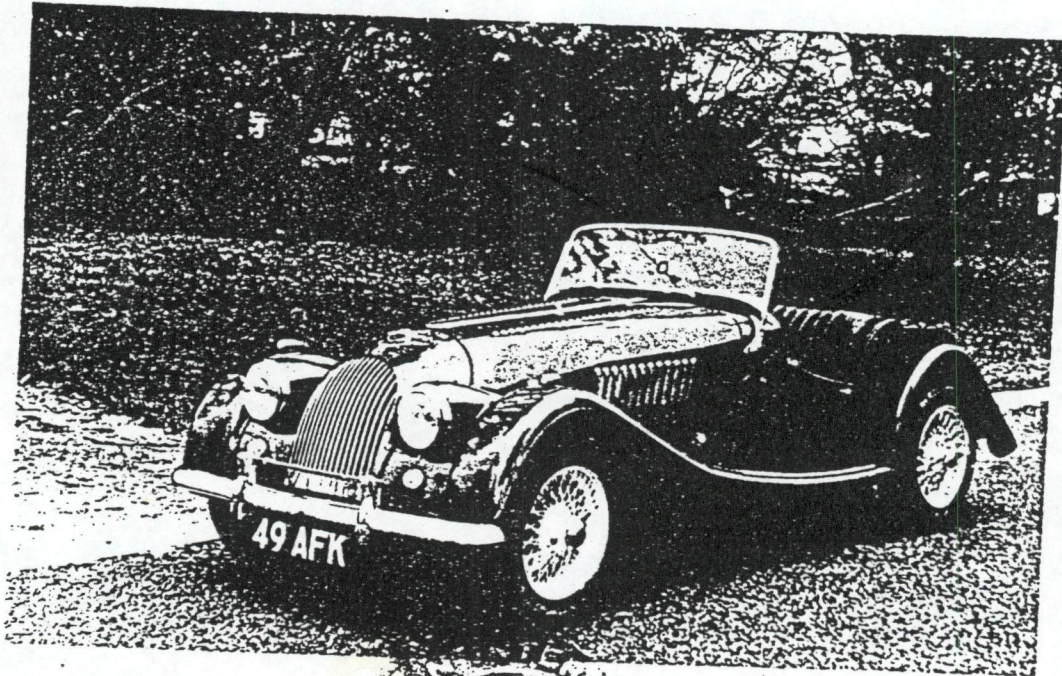
ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer MORGAN MOTOR CO. LTD.
 Model PLUS 4. Year of Manufacture 1960-61.
 Serial No. of Chassis P. prefix
 Engine Ts. prefix
 Type of Coachwork 2 SEATER.
 Recognition is valid from 10 JUN 1961 In category G.T.



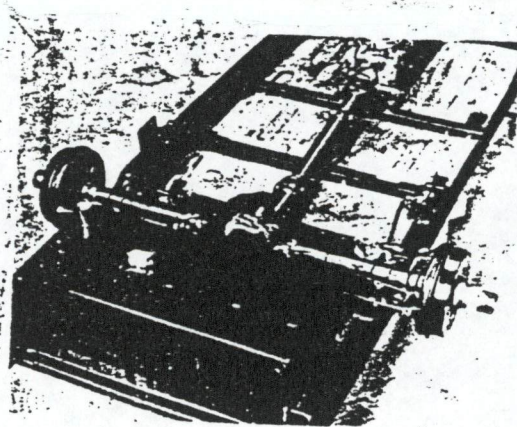
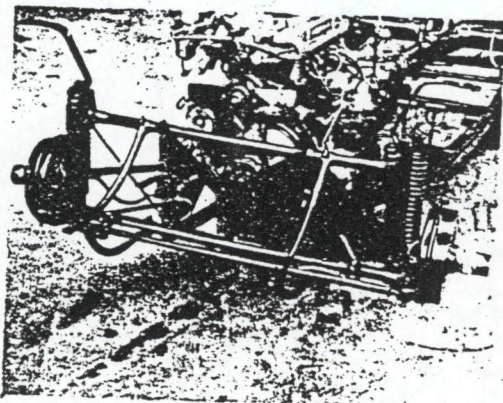
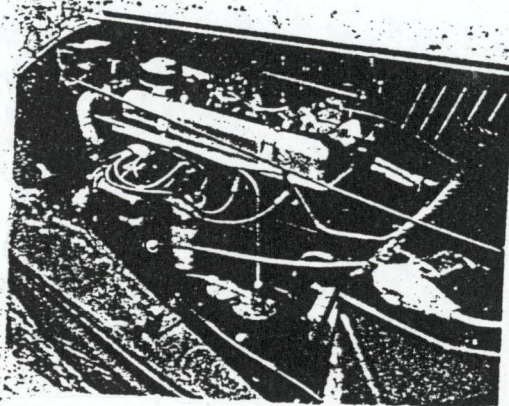
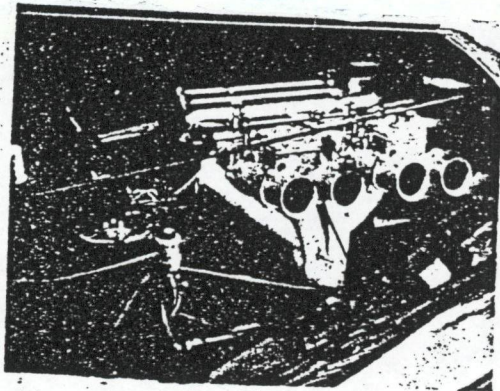
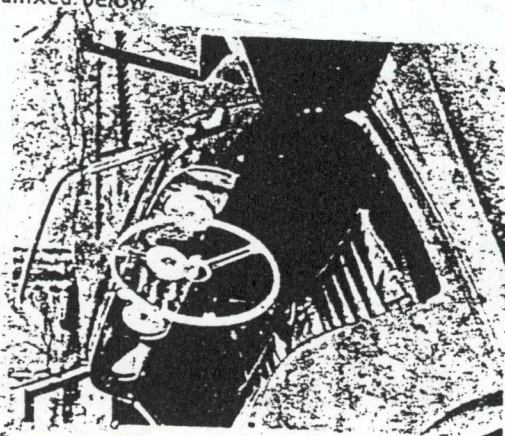
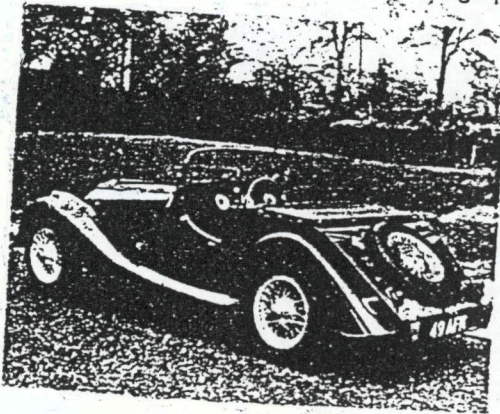
Stamp of F.I.A. to be affixed here.



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General description of car:

Photographs to be affixed below.



ENGINE

No. of cylinders 4. in line YES.
 in V —
 opposed —

Cycle 4. Firing order 1-3-4-2.

Capacity 1991. c.c. Bore 83 m.m. Stroke 92 m.m.

Maximum rebore 1 mm. Resultant capacity 1995 c.c.

Material of cylinder block C.I. Material of sleeves, if fitted C.I.

Distance from crankshaft centre line to top face of block at centre line of cylinders 255.5. m.m.

Material of cylinder head C.I. Volume of one combustion chamber 56 c.c.

Compression ratio 9.1-1.

Material of piston ALUMINIUM ALLOY. No. of piston rings 3.

Distance from gudgeon pin centre line to highest point of piston crown 50 m.m.

Bearings { Crankshaft main bearings: Type D2. Dia. 63. m.m.
 Connecting rod big end: Type THREE LAYER. Dia. 53. m.m.

Weights { Flywheel 9.9. kg.
 Crankshaft 13. kg.
 Connecting rod .9. kg.
 Piston with rings .51. kg.
 Gudgeon pin .127. kg.

No. of valves per cylinder 2. Method of valve operation PUSH ROD.

No. of camshafts 1 Location of camshafts SIDE.

Type of camshaft drive CHAIN.

Diameter of valves: Inlet 33.5 m.m. Exhaust 33 m.m.

Diameter of port at valve seat: Inlet 37. m.m. Exhaust 30.5. m.m.

Tappet clearance for checking timing: Inlet .43. m.m. Exhaust .43. m.m.

Valves open: Inlet 43° BTDC. Exhaust 76° ABDC.

Valves close: Inlet 76° ABDC. Exhaust 43° ATDC.

Maximum valve lift: Inlet 10.16 m.m. Exhaust 10.16. m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 104° Exhaust 104°

$\frac{3}{4}$ Maximum lift: Inlet 60° Exhaust 60°

Valve springs: Inlet COIL. Exhaust COIL.

Type COIL. No. per valve 2.

Carburettor: Type HORIZONTAL. No. fitted 2.

(up or down draft, horizontal)

Make WEBER. Model 42 DCOE 8.

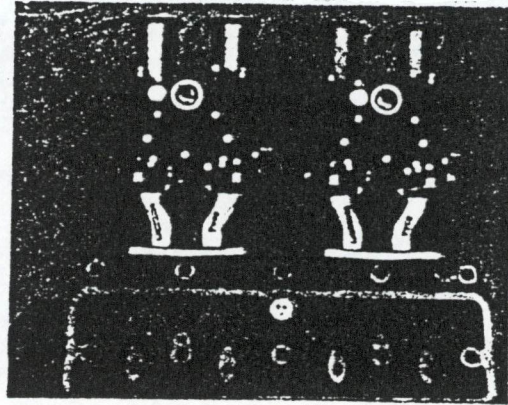
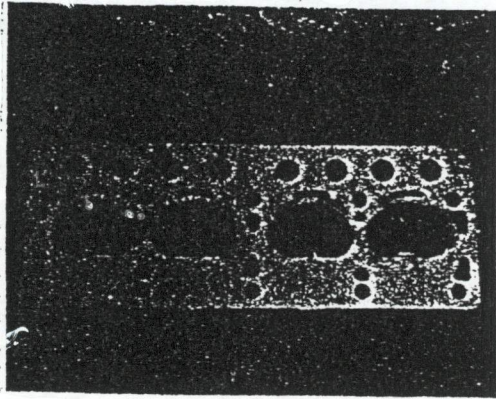
Flange hole diameter 42. m.m. Choke diameter 32. m.m.

Main jet identification No. 130.

Air filter: Type NOT FITTED. No. fitted —

Inlet manifold:
Diameter of flange hole at carburettor 42. m.m.

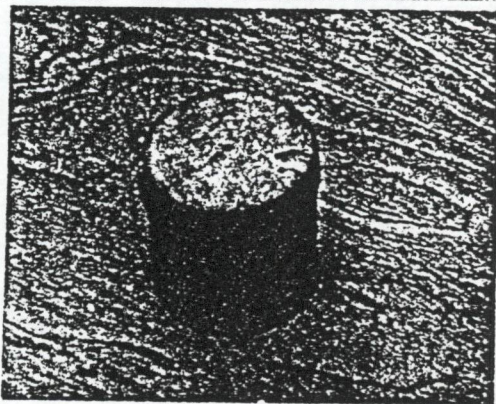
Diameter of flange hole at port 41.2. m.m.



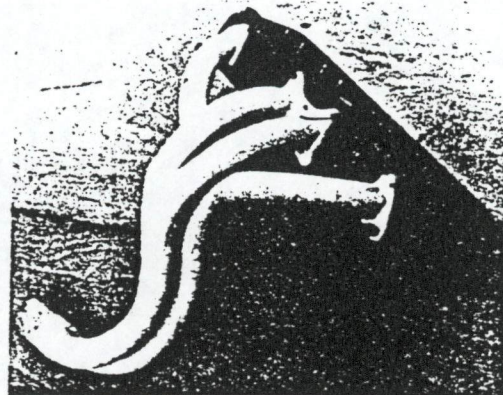
Exhaust manifold:

Diameter of flange hole at port 29 x 33 m.m.

Diameter of flange hole at connection to silencer inlet pipe 30 x 34. m.m.



etc.



ENGINE ACCESSORIES

Make of fuel pump AC & S.U. No. fitted 1 in 1 of each.
Method of operation MECHANICAL & ELECTRICAL.
Type of ignition system COIL coil or magneto
Make of ignition LUCAS. Model 12 volt. B.
Method of advance and retard CENTRIFUGAL & SUCTION.
Make of ignition coil LUCAS. Model 12 volt.
No. of ignition coils 1. Voltage 12.
Make of dynamo LUCAS. Model C40
Voltage of dynamo 12. Maximum output 8 amps.
Make of starter motor LUCAS. Model M418G.
Battery: No. fitted 1 in 2 x 6V Voltage 12. Capacity 54. amp. hour

Make MORGAN. Model P-154 F.I.A. Recognition No. -
 Manufacturers Reference No. of Application 11961.

TRANSMISSION

Make of clutch BORG & BECK. Type SINGLE PLATE.
 Diameter of clutch plate 22.56 cm. No. of plates 1.
 Method of operating clutch MECHANICAL.
 Make of gearbox MOSS GEAR. Type 4 SPEEDS.
 No. of gearbox ratios 3.
 Method of operating gearshift MANUAL.
 Location of gearshift CENTRAL.
 Is overdrive fitted? NO.
 Method of controlling overdrive, if fitted -

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.375	26						
2.	1.981	37						
3.	1.137	31						
4.	DIRECT.							
5.								

Type of final drive HYBRID.
 Type of differential NORMAL.
 Final drive ratio 2.73. Alternatives 4.1 & 2.8.
 No. of teeth 11/31.
 Overdrive ratio, if fitted -

WHEELS

Type DUNLOP WIRE w. Disc. Weight 6.6 kg.
 Method of attachment SPLINED HUB. BOLT ON.
 Rim diameter 380. m.m. Rim width 113J. m.m.
 Tyre size: Front 5.25 x 15. Rear 5.25 x 15.
5.60 x 15 5.60 x 15.

BRAKES

Method of operation HYDRAULIC.
 Is servo assistance fitted? NO.
 Type of servo, if fitted -
 No. of hydraulic master cylinders 1. Bore 12. m.m.

	Front		Rear
No. of wheel cylinders	2 per CAMPER.		2.
Bore of wheel cylinders	2 x 23	m.m.	22
Inside diameter of brake drums	/	m.m.	230
No. of shoes per brake	/		2.
Outside diameter of brake discs	280	m.m.	/
No. of pads per brake	2.		/
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)			

	Front		Rear
Length	PAD. Top 70	m.m.	217
	" Base 45	m.m.	/
Width	48	m.m.	44
Total area per brake	5568.	m.m. ²	18100.

SUSPENSION

	Front		Rear
Type	IND. VERTICAL COIL		1/2 ELLIPTIC.
Type of spring	COIL.		LEAF
Is stabiliser fitted?	NO.		NO.
Type of shock absorber	HYDRAULIC.		HYDRAULIC.
No. of shock absorbers	2.		2.

STEERING

Type of steering gear..... CAM GEAR.

Turning circle of car..... 9.5..... m., approx.

No. of turns of steering wheel from lock to lock..... 2 1/4.....

CAPACITIES AND DIMENSIONS

Fuel tank..... 45..... litres Sump..... 6.3..... litres

Radiator..... 9..... litres

Overall length of car..... 368..... cm. Overall width of car..... 139..... cm.

Overall height of car, unladen (with hood up, if appropriate)..... 130..... cm.

Distance from floor to top of windscreen:

- Highest point..... 99.5..... cm. Lowest point..... 96.5..... cm.

Width of windscreen:

 Maximum width..... 135..... cm. Minimum width..... 99..... cm.

*Interior width of car..... 112..... cm.

No. of seats..... 2.....

Track: Front..... 122..... cm. Rear..... 124..... cm.

Wheelbase..... 244..... cm. Ground clearance..... 152..... m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel..... 815..... kgs.

Optional equipment affecting preceding information:—

2 x WEBER CARBURETTORS 45 DCOE 8.

